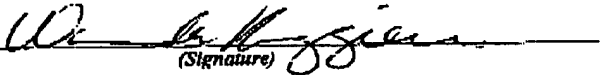


<b>CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)</b>			Docket No. 840.066.202
Applicant(s): <b>Dresch, et al.</b>			
Application No. 09/808,468	Filing Date 3/14/01	Examiner Lee	Group Art Unit 2881
Invention: <b>ION STORAGE TIME-OF-FLIGHT MASS SPECTROMETER</b>			<b>RECEIVED</b> <b>CENTRAL FAX CENTER</b> <b>JUN 21 2005</b>
I hereby certify that this <u><b>RCE, Combined Transmittal &amp; Ext. Form, Prel. Amend. &amp; Credit card pay form</b></u> (Identify type of correspondence) is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u><b>703-872-9306</b></u> ) on <u><b>June 21, 2005</b></u> (Date)  <div style="text-align: right;"><u><b>Wanda Ruggiera</b></u> (Typed or Printed Name of Person Signing Certificate)  (Signature)</div>			
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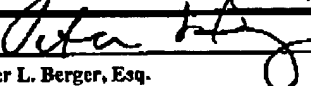
Application Number	09/808,468
Filing Date	March 14, 2001
First Named Inventor	Dreesh
Art Unit	2881
Examiner Name	Lcc
Attorney Docket Number	840.066.202

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application. Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).
- a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
- i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on \_\_\_\_\_
- ii. ☐ Other \_\_\_\_\_
- b. ☒ Enclosed
- i. ☐ Amendment/Reply      iii. ☐ Information Disclosure Statement (IDS)
- ii. ☐ Affidavit(s)/Declaration(s)      iv. ☒ Other Preliminary Amendment
2. **Miscellaneous**
- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of \_\_\_\_\_ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(l) required)
- b. ☐ Other \_\_\_\_\_
3. **Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
- a. ☒ The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No. 02-2105 I have enclosed a duplicate copy of this sheet.
- i. ☒ RCE fee required under 37 CFR 1.17(e)
- ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)      06/21/2005 TL0111      00000025      09000468
- iii. ☒ Other 1 month ext of time      01 EC:2861      395.00 OP
- b. ☐ Check in the amount of \$ \_\_\_\_\_
- c. ☒ Payment by credit card (Form PTO-2038 enclosed)

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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

Signature		Date	June 21, 2005
Name (Print / Type)	Peter L. Berger, Esq.	Registration No.	24,570

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Signature			
Name (Print / Type)	Wanda Ruggiera	Date	June 21, 2005

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/30 (09-04)

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Alexandria, VA 22313-1460

Application Number	09/808,468
Filing Date	March 14, 2001
First Named Inventor	Dresch
Art Unit	2881
Examiner Name	Lee
Attorney Docket Number	840.066.202

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  - ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
    - ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on \_\_\_\_\_
    - ☐ Other \_\_\_\_\_
  - ☒ Enclosed
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    - ☐ Affidavit(s)/Declaration(s)
    - ☐ Information Disclosure Statement (IDS)
    - ☒ Other Preliminary Amendment
- Miscellaneous**
  - ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of \_\_\_\_\_ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(f) required)
  - ☐ Other \_\_\_\_\_
- Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
  - ☒ The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No. 02-2105. I have enclosed a duplicate copy of this sheet.
    - ☒ RCE fee required under 37 CFR 1.17(e)
    - ☐ Extension of time fee (37 CFR 1.136 and 1.17)
    - ☒ Other 1 month ext of time
  - ☐ Check in the amount of \$ \_\_\_\_\_ enclosed
  - ☒ Payment by credit card (Form PTO-2038 enclosed)

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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

Signature		Date	June 21, 2005
Name (Print / Type)	Peter L. Berger, Esq.	Registration No.	24,570

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Signature			
Name (Print / Type)	Wanda Ruggiera	Date	June 21, 2005

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JUN 21 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of: Dresch et. al  
Serial No.: 09/808,468  
Art Unit: 2881  
Examiner: K. T. Nyguen  
Filing Date: March 14, 2001  
For: Ion Storage Time-Of-Flight  
Mass Spectrometer  
Attorney Docket No. 840.066.202

June 21, 2005

**VIA FAX (703) 872-9306**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**PRELIMINARY AMENDMENT**

Sir:

Prior to examination of the application, please amend this application as follows:

In the claims:

Please amend Claim 11 as follows:

11. (Fifth Amendment) An apparatus for analyzing chemical species comprising:
- (a) a time-of-flight mass analyzer with an ion pulsing region and a detector,
  - (b) an ion source for producing ions forming an ion beam from said chemical species,
  - (c) a two-dimensional multipole ion guide having an ion guide axis of symmetry and having an entrance end where ions enter said ion guide from said ion source and an exit end where ions exit said ion guide, ~~said two-dimensional multipole ion guide functioning as a two-dimensional ion trap~~, wherein said two-dimensional multipole ion guide comprises a plurality of spaced apart rods parallel to each other and to said ion guide axis and extending from said entrance end to said exit end, ~~said ion beam having an axis thereof which is parallel to said spaced apart rods, said two~~

~~dimensional ion trap trapping ions in all axes including the axis which is generally parallel to the ion guide axis of symmetry; and wherein said two-dimensional ion guide functions to trap ions within said ion guide in directions orthogonal to said ion guide axis.~~

(d) means to controllably trap ions in said ion guide in the direction of said ion guide axis and controllably release ions from said ion guide into said pulsing region.

~~(d)~~ (e) means for pulsing said ions, transferred into said pulsing region, into said time-of-flight mass analyzer for mass analysis, and

(e) (f) means for detecting said mass analyzed ions with said detector.

Please add new claims 14 and 15 as follows:

14. (New) The apparatus of claim 11, further comprising an ion guide bias voltage applied to said ion guide, wherein said means to controllably trap ions in said ion guide in the direction of said ion guide axis and controllably release ions from said ion guide into said pulsing region comprises means to change the voltages on lens elements positioned near said ion guide exit relative to said ion guide bias voltage.

15. (New) The apparatus of claim 11, further comprising an ion guide bias voltage applied to said ion guide, wherein said means to controllably trap ions in said ion guide in the direction of said ion guide axis and controllably release ions from said ion guide into said pulsing region comprises means to change said ion guide bias voltage relative to voltages on lens elements positioned near said ion guide exit.

A COMPLETE LISTING OF THE CLAIMS FOLLOWS THE SIGNATURE PAGE OF THIS AMENDMENT.

JUN 21 2005

**COMBINED AMENDMENT & PETITION FOR EXTENSION OF  
TIME UNDER 37 CFR 1.136(a) (Small Entity)**Docket No.  
840.066.202

In Re Application Of: Dresch, et al.

Application No. 09/808,468	Filing Date 3/14/01	Examiner Lee	Customer No. 04617	Group Art Unit 2881	Confirmation No. 4227
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Invention: ION STORAGE TIME-OF-FLIGHT MASS SPECTROMETER

**COMMISSIONER FOR PATENTS:**

This is a combined amendment and petition under the provisions of 37 CFR 1.136(a) to extend the period for filing a response to the Office Action of \_\_\_\_\_ in the above-identified application.  
Date

The requested extension is as follows (check time period desired):

☒ One month    ☐ Two months    ☐ Three months    ☐ Four months    ☐ Five months

from: June 1, 2005                      until: July 1, 2005  
Date    Date

Applicant claims small entity status. See 37 CFR 1.27.

06/21/2005 TL0111 00000025 09000468

02 FC:2251

60.00 OP

The fee for the amendment and extension of time has been calculated as shown below.

**CLAIMS AS AMENDED**

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	5 -	20 =	0	x \$25.00	\$0.00
INDEP. CLAIMS	1 -	3 =	0	x \$100.00	\$0.00
FEE FOR AMENDMENT					\$0.00
FEE FOR EXTENSION OF TIME					\$60.00
TOTAL FEE FOR AMENDMENT AND EXTENSION OF TIME					\$60.00

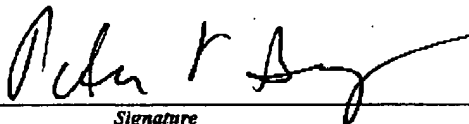
P28SMALL/REV08

**COMBINED AMENDMENT & PETITION FOR EXTENSION OF  
TIME UNDER 37 CFR 1.136(a) (Small Entity)**Docket No.  
840.066.202

The fee for the amendment and extension of time is to be paid as follows:

- ☐ A check in the amount of \_\_\_\_\_ for the amendment and extension of time is enclosed.
- ☐ Please charge Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_
- ☒ The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 02-2105
- ☒ Any additional filing fees required under 37 C.F.R. 1.16.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☐ If an additional extension of time is required, please consider this a petition therefor and charge any additional fees which may be required to Deposit Account No. \_\_\_\_\_
- ☒ Payment by credit card. Form PTO-2038 is attached.

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Signature

Peter L. Berger, Esq. (Reg. #24,570)  
Levisohn, Berger & Langsam, LLP  
805 Third Avenue, 19th Floor  
New York, New York 10022  
Phone (212) 486-7272  
Fax (212) 486-0323

Dated: June 21, 2005

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(Date)

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence

cc:

P28SMALLREV05

<b>COMBINED AMENDMENT &amp; PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) (Small Entity)</b>					Docket No. 840.066.202	
In Re Application Of: <b>Dresch, et al.</b>						
Application No. 09/808,468	Filing Date 3/14/01	Examiner Lee	Customer No. 04617	Group Art Unit 2881	Confirmation No. 4227	
Invention: <b>ION STORAGE TIME-OF-FLIGHT MASS SPECTROMETER</b>						
<b><u>COMMISSIONER FOR PATENTS:</u></b>						
This is a combined amendment and petition under the provisions of 37 CFR 1.136(a) to extend the period for filing a response to the Office Action of _____ in the above-identified application. <div style="text-align: center;"><i>Date</i></div>						
The requested extension is as follows (check time period desired):						
<input checked="" type="checkbox"/> One month <input type="checkbox"/> Two months <input type="checkbox"/> Three months <input type="checkbox"/> Four months <input type="checkbox"/> Five months						
from: <u>June 1, 2005</u> until: <u>July 1, 2005</u> <div style="text-align: center;"><i>Date</i>    <i>Date</i></div>						
Applicant claims small entity status. See 37 CFR 1.27.						
The fee for the amendment and extension of time has been calculated as shown below:						
<b>CLAIMS AS AMENDED</b>						
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE	
TOTAL CLAIMS	5 -	20 =	0	x \$25.00	\$0.00	
INDEP. CLAIMS	1 -	3 =	0	x \$100.00	\$0.00	
FEE FOR AMENDMENT					\$0.00	
FEE FOR EXTENSION OF TIME					\$60.00	
<b>TOTAL FEE FOR AMENDMENT AND EXTENSION OF TIME</b>					<b>\$60.00</b>	

P28SMALLREV05

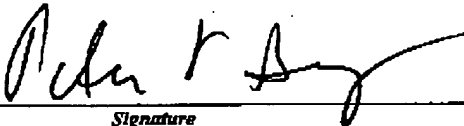


**COMBINED AMENDMENT & PETITION FOR EXTENSION OF  
TIME UNDER 37 CFR 1.136(a) (Small Entity)****COPY**  
Docket No.  
844.066.202

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*Signature*

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Fax (212) 486-0323

Dated: June 21, 2005

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*(Date)**Signature of Person Mailing Correspondence**Typed or Printed Name of Person Mailing Correspondence*

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